



## SUBNERO WIRELESS INTEGRATED SUITE ADCP Edition

Integrated Wireless Data Transfer Solution for ADCP

### Key Benefits



#### Wireless Data Transfer

Access ADCP data in near real-time over reliable wireless links



#### Seamless User Experience

Web-based UI for data summarisation and downloads



#### Cost Efficiency

Reduce deployment costs through streamlined operations

### Intended Audience

- Marine Survey Operators
- Oceanographers

- Offshore Energy Operators
- Marine Researchers

# CHALLENGES

ADCPs are essential for subsea operations, but data retrieval is challenging due to:

## Costly Logistics

Retrieving devices with divers or relying on cabling is expensive and risky

## Limited Scalability

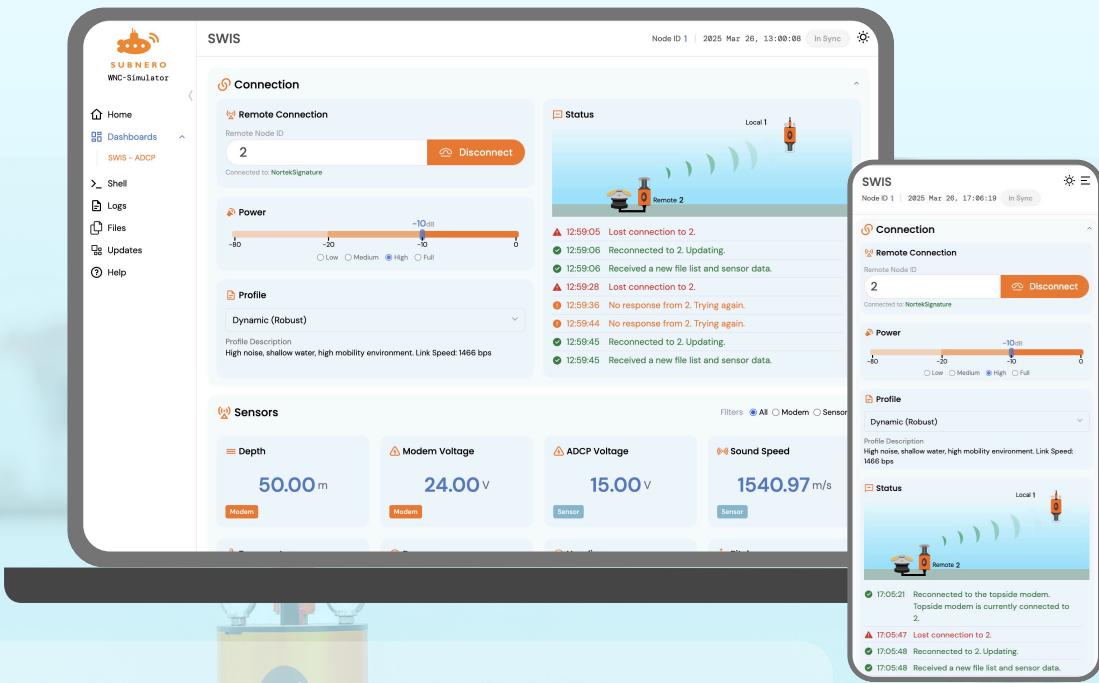
Difficult to manage multiple simultaneous ADCP deployments

## Connectivity Issues

Traditional acoustic modems suffer from unreliable performance and poor user experience.

# SOLUTIONS

SWIS – ADCP Edition integrates Subnero's WNC series acoustic modems with ADCPs for seamless wireless monitoring and data transfer. It simplifies underwater data collection, providing a reliable and user-friendly solution for accessing ADCP data wirelessly.



*SWIS – ADCP Edition supports direct laptop or smartphone access with an intuitive UI, as well as integration with cloud servers, FTP servers, and data loggers for automated data collection.*

# HOW SWIS - ADCP EDITION WORKS?

01

## Configuration Phase

Simple setup and configuration for user's deployment needs.

02

## Deployment Phase

Monitor deployment using On-Demand or On-Schedule modes.

## OPERATIONAL MODES



### ON-DEMAND

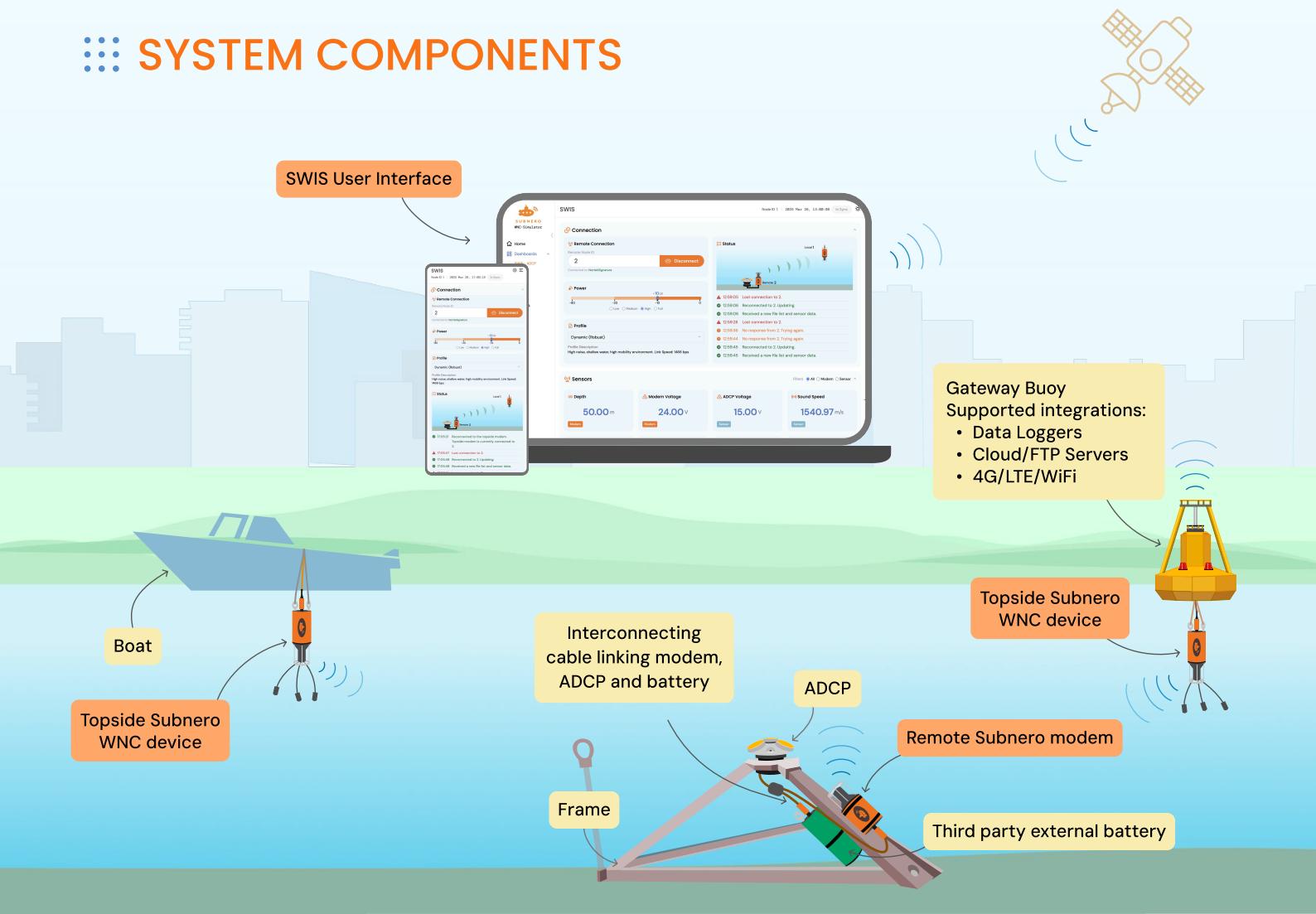
Access and download specific data instantly via an intuitive browser interface.



### ON-SCHEDULE

Automate data transfers at regular intervals for continuous monitoring.

## SYSTEM COMPONENTS



# SWIS Features



## Data Summarisation

CAP engine provides data summary of entire deployments



## Early Fault Detection

Monitor ADCP status, including mode, pitch and battery voltage



## Adaptive Scheduling

Flexible schedules to accommodate diverse concepts of operations



## Remote Control

Configure deployment settings remotely during deployment



## Performant Wireless

High-performance acoustic link for reliable data transfer.



## Seamless UI

Intuitive user interface for easy configuration, monitoring, and control

# Technical Specifications

FEATURES	DETAILS
Supported Modems	Subnero WNC Series
Storage	32 GB (Upgradable To 1 TB)
Connectivity	Ethernet, RS232
Endurance	Up To 6 Months**
Supported Integrations	Data Loggers, Cloud/FTP Servers, 4G/LTE/WiFi Routers
User Interface	Web-Based Dashboards, REST APIs, Unet APIs

\*\* Depends on deployment parameters such as frequency of data transfer

Transform your underwater sensor data management with SWIS - ADCP Edition

Contact us to learn how SWIS can enhance your ADCP deployment operations!



Get in touch now

Subnero Pte. Ltd., 1003 Bukit Merah Central #04-05, Singapore 159836

sales@subnero.com +65 9819 9552 www.subnero.com  
 subnero subnero\_comms subnero subnero subnero